What is claimed is:

on the front axle.

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- 1. A method of controlling suspension performance in vehicles having hydropneumatic suspension devices between suspended <code>[sprung]</code> and unsuspended <code>[unsprung]</code> masses and extremely variable axle load ratios, in particular on vehicles in which the front axle is subjected to a low, medium or high static load range, depending on the application of the vehicle, and the suspension device has double-action hydraulic cylinders between the suspended and unsuspended masses, their pressure chambers being connectable to a pump over pressure lines, a pressure-regulating valve being installed in the pressure line to the annular spaces, the pressure in the annular spaces to the pressure in the piston spaces in a predefined ratio, wherein the pressure (P_R) in the annular spaces (7, 8) of the spring cylinders (1, 2) is increased in the low load range (n)
 - 2. The method according to Claim 1, wherein the pressure (P_R) in the annular spaces (7, 8) is also increased in the high load range (h) of the front axle.
 - 3. The method according to Claim 1,
- wherein the annular space pressure (P_R) is switched in two pressure stages having a difference of up to 50 bar as a function of the pressure (P_Z) in the piston spaces $(3,\ 4)$.
- 4. A device for implementing the method according to one of

 Claims 1 through 3, a hydropneumatic suspension device for vehicles having extremely variable load conditions, in which spring cylinders (1, 2) which have load-carrying piston spaces (3, 4) and pressure-loaded annular spaces (7, 8) surrounding the piston rod with a seal are situated between the suspended and unsuspended masses, the piston spaces (3, 4) being connected to a first hydraulic accumulator (15) and the

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annular spaces (7, 8) being connected to a second hydraulic accumulator (12), and a pressure-regulating valve (20) being provided, which is inserted into the pressure line (19) to the annular spaces (7, 8),

- wherein the pressure-regulating valve (20) is controlled by a pilot valve (56) which is actuated by the inlet pressure (P_z) to the piston spaces (3, 4) and which switches the pressure-regulating valve (20) to a higher regulating stage when the pressure drops below a predetermined inlet pressure (P_z) in the inlet line (16) to the piston spaces (3, 4).
 - 5. The device according to Claim 4, wherein the pilot valve (56), designed as a valve having a double reversal, switches the pressure-regulating valve (20) from the inlet pressure (P_z) to the higher regulating stage at a low pressure level and at a high pressure level.
 - 6. The device according to Claim 4 or 5, wherein the pilot valve (56) is a 3/2-way solenoid valve which is switched by the pressure sensor in the inlet pressure (P_z).
 - 7. The device according to one of Claims 4 through 6, wherein the control line (42) for the regulating spring (41) of the pressure-regulating valve (20) is connected to the inlet line (63) leading to the annular spaces (7, 8) between the non-return valve (21) and the annular spaces (7, 8).
 - 8. The device according to one of Claims 4 through 7, wherein the control line (42) is provided with a deblockable non-return valve (50).
 - 9. The device according to one of Claims 4 through 8, wherein a throttle (18) is inserted between the connection (52) of the control line (42) to the inlet line (60) and the connecting line (11) of the annular spaces (7, 8).
 - 10. The device according to one of Claims 4 through 9,

wherein the deblocking control line (51) of the non-return valve (50) is connected to the control line (24) of the non-return valves (17, 21) of the inlet lines (16, 19).

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